



**Nicholls-  
Radtke**  
Ltd.





*D.J. Radtke (left) and W.C. Nicholls.*

**N**icholls-Radtke Ltd. provides industrial construction and fabrication services for mechanical and electrical installations. Our clients have high standards for quality, safety, reliability, and timely completion. Our ability to meet or exceed their standards enables Nicholls-Radtke to handle the most difficult and challenging construction projects.

Keeping abreast of technological changes in construction methods and in the use of materials, tools, and equipment has been and continues to be essential to our operations. Well-trained and experienced personnel are also a major factor in our success.

Often our clients have requirements that are specialized and unique. We specialize in the unique. Whether your project is specialized or routine, whether it requires two men or two hundred, whether it starts immediately or is still in the design stage, we would like to hear from you.

Our responsiveness to clients' needs has resulted in a solid base of repeat business and has established our reputation in the industrial sector. We look forward to providing the same high-quality service to you in the future.

**D.J. Radtke**  
President  
Nicholls-Radtke Ltd.

**W.C. Nicholls**  
Senior Vice-President  
Nicholls-Radtke Ltd.

**Cover left:**  
*Soldering copper lines to the top of a cooling water pump.*

**Cover right:**  
*Backwelding a valve.*



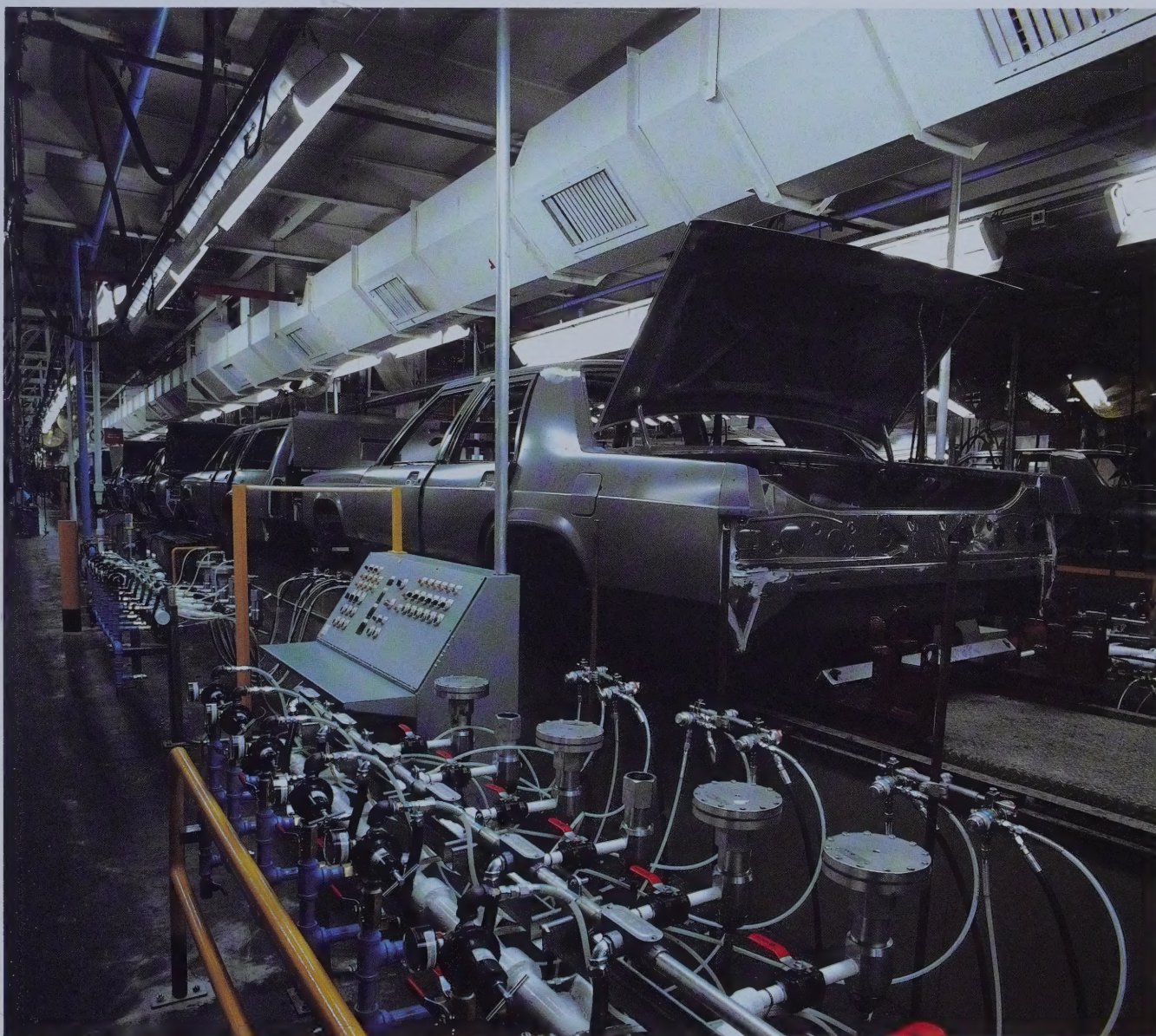
**N**icholls-Radtke Ltd. is an industrial contractor specializing in mechanical and electrical installations for both new and existing plant facilities.

Founded in 1975 by W.C. Nicholls and D.J. Radtke, the company has grown steadily in providing comprehensive construction services to Canadian industry.

Nicholls-Radtke has carried out modifications, expansions, and construction of new plants in a wide range of industries: automotive assembly, chemicals and petrochemicals, electrical transmission, food processing, metals processing, nuclear power, oil

and gas pipelines, pulp and paper, and light and heavy manufacturing of various types.

Nicholls-Radtke is jointly owned by its employees and by Banister Continental Ltd. of Edmonton, Alberta, which acquired a 50% interest in 1985. Headquartered in Cambridge, Ontario, Nicholls-Radtke operates across Canada and has earned a reputation for reliability and high-quality workmanship.



*High-pressure sealer piping installed by Nicholls-Radtke at an automotive assembly plant.*



An industrial contractor must display ingenuity and innovativeness in meeting the needs of a broad spectrum of clients. Nicholls-Radtke's ability to respond to unique construction challenges is an important factor in its success. Whatever the size or type of project, Nicholls-Radtke can provide complete construction services.

Planning and scheduling are the first critical stages of a project. Nicholls-Radtke's experienced personnel study engineering drawings and specifications in painstaking detail to determine the optimal combination of techniques and resources for each project. Manpower, equipment, and materials are then scheduled to maximize efficiency and ensure completion within the specified time period.

Members of Nicholls-Radtke's procurement staff have onsite construction experience: purchasing and scheduling decisions are based on first-hand knowledge of installation techniques and project requirements. For timely delivery of equipment to jobsites, Nicholls-Radtke operates a fleet of trucks, maintained in top condition at all times to meet project needs.



*Nicholls-Radtke is headquartered in a 7,900 square metre fabrication facility.*

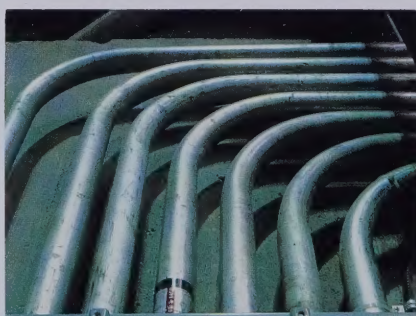


*Sandblasting at Nicholls-Radtke's fabrication shop.*



*Fitter at work in Nicholls-Radtke's shop.*

Prefabrication of components enables Nicholls-Radtke to achieve cost and scheduling advantages on many projects. A 7,900 square metre (85,000 square foot) fabrication shop at Nicholls-Radtke's Cambridge headquarters is manned by experienced personnel using advanced automated equipment.



*Control wiring termination box.*

Piping fabrication, including both large and small-bore assemblies, is carried out using the latest welding technology. Nicholls-Radtke also fabricates assemblies from thermoplastic, glass, fibreglass, and other materials. Offsite fabrication in a controlled environment makes possible a level of quality difficult to attain under site conditions.



*Standby power turbine installation.*

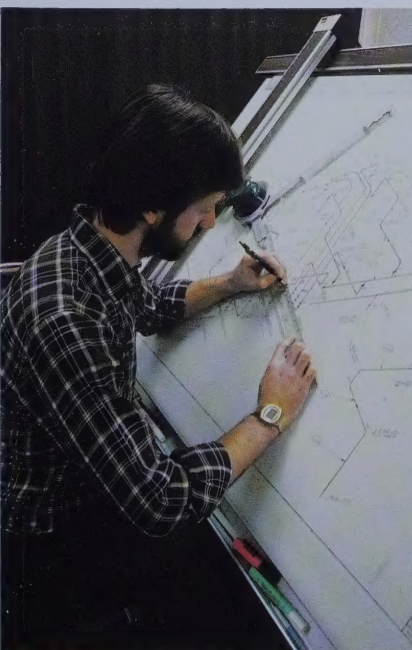




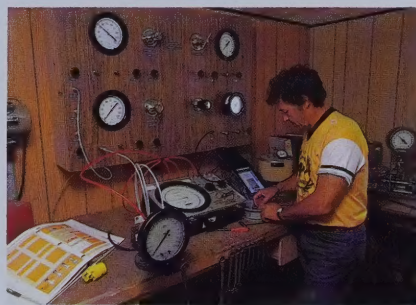
*Main steam stop valves installed at a generating station.*



*Dip tank fabricated and installed by Nicholls-Radtke.*



*Drafting for a fabrication job.*



*Field instrument calibration bench.*



*Filtering unit installed by Nicholls-Radtke.*

Through all stages of construction, projects are carefully monitored and progress is measured against predetermined plans and schedules. A Quality Program provides documentary evidence that all work has been performed in accordance with client specifications, jurisdictional requirements, and the company's own high standards. Nicholls-Radtke's Quality Program applies to all stages of a project, from purchasing, through fabrication and construction, to inspection and testing of the completed work.

Nicholls-Radtke's construction and fabrication activities are supported by experienced technical and administrative staff. An in-house team of engineers, technicians, draftsmen, and surveyors provides technical expertise and ensures that the company keeps pace with the latest innovations in construction methods and materials. Administrative personnel, using electronic data processing systems, provide accounting, data analysis, and documentation services vital to project control.

These methods and procedures, combined with innovative thinking and creative expertise, have enabled Nicholls-Radtke to undertake a wide variety of projects, many with unique construction requirements. Work has been carried out in every major industrial sector and in locations ranging from metropolitan centres to remote areas of Northern Canada.

In the automotive industry, Nicholls-Radtke has carried out major installations at virtually every automotive assembly plant in Ontario.

Nicholls-Radtke has extensive experience in mechanical and electrical work at nuclear power stations. At the Bruce "B" Generating Station, Nicholls-Radtke installed piping for the 800-megawatt steam turbines, completed mechanical and electrical installations for the water treatment plant and cooling water pump houses, and erected the structures for the 500 KV switchyard. At the Darlington Generating Station, Nicholls-Radtke carried out mechanical and electrical installations for the water treatment



plant and cooling water pump-houses, as well as cable pan installation for the turbine and reactor buildings.

For the oil and gas transmission sector, Nicholls-Radtke has constructed a number of compressor stations, including several in remote locations. In 1986 the company completed a dehydration facility for Union Gas at its Dawn Compressor Station near Sarnia, Ontario. This facility is capable of dehydrating 2.4 billion cubic feet of natural gas per day from underground storage pools.



*Compressor station completed for TransCanada PipeLines in a remote area of Northern Ontario.*

For projects large and small, for industries ranging from power generation to food processing, Nicholls-Radtke has the experience and skills to get the job done on time, within budget, and to the client's satisfaction. The company brings to each project two basic elements — resources and resourcefulness — necessary for safe, efficient, high-quality construction services. Nicholls-Radtke has worked hard to earn its outstanding reputation, and with continuing hard work and ingenuity, that reputation will continue to grow.



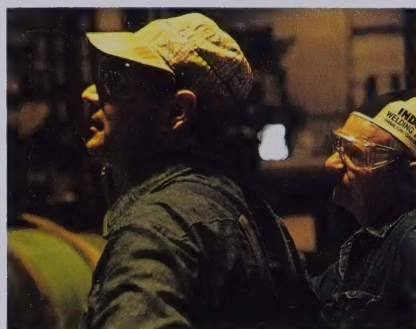
*Bruce Heavy Water Plant.*



*Control panel for natural gas compressor station.*



*Fitter-welder at work on turbine piping for a generating station.*



*Fabrication shop personnel.*



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The Banister Construction Group's diversified capabilities include pipeline, heavy civil, marine, industrial, and underground utility construction.

**Nicholls-Radtke Ltd.**

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